RECEIVED **CENTRAL FAX CENTER**

MAY. 23. 2005 1:37PM TTC-PA 650-326-2422

NO. 1567 P. 1/18

MAY 2 3 2005

-			PTO/\$B/21 (04-04)
	- A 110821	Application Number	09/724,288
TF	RANSMITTAL FORM	Filing Date	November 28, 2000
		First Named Inventor	Schenk, Dale B.
(to be used for	all correspondence after initial fill	·	1647
		Examiner Name	Turner, S. L.
Total Number of	Pages in This Submission	18 Attorney Docket Number	15270J-004765U\$
		ENCLOSURES (Check al	that apply)
Communic Af Af Extension Express A Suppleme Disclosure Statem (2 pgs.); PTO/SB/(eference no. 580 Certified C Document Response	Copy of Priority	Drawing(s) Licensing-releted Papers Petition Petition to Convert to a Provisional Application Power of Attorney, Revocation Change of Correspondence Terminal Disclaimer Request for Refund CD, Number of CD(s) Remarks The Commissioner Account 20-1430,	
	sponse to Missing Parts der 37 CFR 1.52 or 1.53		
r ndividual name Signature	Townsend and Towns Resemanie L. Celli	·	RNEY, OR AGENT
r ndividual name ilgnature	Townsend and Towns Resemarie L. Celli	end and Crew LLP	
or ndividual name Signature	Townsend and Towns Resemand L. Celli May 23, 2005	end and Crew LLP	899) No. 42,397
ndividual name Signature Date	Townsend and Towns Resemanie L. Celli May 23, 2005	end and Crew LLP	899) No. 42,397
hdividual name signature pate hereby certify th April 29, 2005.	Townsend and Towns Resematic L. Celli May 23, 2005 CE at this correspondence is to	end and Crew LLP	ON/MAILING
Firm or Individual name Signature Date I hereby certify th April 29, 2005. Typed or printed no	Townsend and Towns Resemarie L. Celli May 23, 2005 CE at this correspondence is to	end and Crew LLP	ON/MAILING

						PTO/S	B/17 (12-
Effects Fees pursuant to the Consolid	ive on 12/08/2004. ated Appropriations	Act. 2005 (H R. 481A	,	Сот	olete if Known		
FEE TRA			Application N	umber 09/7:	24,288		
			Filing Date	Nove	ember 28, 2000		
For	FY 2005	5	First Named I	nventor Sche	nk		
Applicant claims small e	entity status. See	37 CFR 1,27	Examiner Nar	ne Turn	er, S. L.		
TOTAL AMOUNT OF PAY	MENT (\$) 180		Art Unit	1647			
	1 (1)		Attorney Dock	et No. 1527	0J-004765US		
METHOD OF PAYMENT							
		y Order 🔲 No	one 🔲 Other (please identify):			
Deposit Account D			Deposit Acc	count Name: <u>Tow</u>	nsend and Townse	nd and Crev	LLP
For the above-iden		ount, the Director Is	s hereby authorize	d to: (check all th	nat apply)		
•	indicated below		Cha	arge fee(s) indica	ated below, except	for the filln	g fee
Charge any ac under 37 CFR warning: Information on Ihls Information and authorization FEE CALCULATION	form may become	underpayments of	fee(s) Cre	dit any overpayn tot be included or	nents 4 this form. Provide (credit card	
	CH AND EVAN	ANATION FEE					
1. BASIC FILING, SEAR Application Type	FILING FEE Small Eq Fee (\$) Fee (is si <u>tity</u>	S EARCH FEES Small Entity (5) Fee (5)		TION FEES	Enon Bold	/ d s
Utility	300 150		00 250	200	100	Fees Pald	(3)
Design	200 100		00 50	130	65		
Plant	200 100	_	00 150	160	80		<u> </u>
Reissue	300 150	5	00 250	600	300		_
Provisional	200 100		0 0	0	0	-	_
20 or HP =	r Reissucs, each ver 3 or, for Re s Extra Claims	ssues, each inde	and more than in ependent claim r fee Paid (5) \$0	nore than in th	atent e original patent spendent Claims Fee Paid (S	Fee (\$) F 50 200 360	H Emily 25 100 180
IP = highest number of total claim	ns paid for, if greater Extra Claims	than 20	ee Pald (\$) \$0		7 44 7 410 13	-	
P = highest number of Independe	ent claims poid for, if						
APPLICATION SIZE FI If the specification and de for each additional 50 Total Sheets - 100 =	awings exceed	Number of	aper, the applicat 35 U.S.C. 41(a) each additional 50 (round up to a v	(1)(G) and 37 or fraction the	CFR 1.16(s). reof Fee (\$)	for small e	
OTHER FEE(S) Non-English Specific	otion, \$130 fe	ce (no small enti	ty discount)		`	Fees Paid	<u>(\$)</u>
Other: Information D	isclosure Stater	nent (after office	e action)			180.00	_
IBMITTED BY							=
gnature (Reint/Tues)	emane	L-Celli	Registration No. (Attorney/Agent)	42,397	Telephone (6:	50) 326-240	0
ame (Print/Type) Rosemarie	L. Celli	·			Date May 23,	2005	

I hereby certify that this correspondence is being sent by facsimile transmission to: Commissioner for Patents at 703-872-9306				
On	May 23, 2005			
TOWNSEND and TO	DWNSEND and CREW LIP			
Ву:	Uh 1 M			

Attorney Docket No.: 15270J-004765US Client Reference No.: 209-US-CIP8BCS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

DALE B. SCHENK et al.

Application No.: 09/724,288

Filed: November 28, 2000

For: PREVENTION AND TREATMENT OF AMYLOIDOGENIC DISEASE

Examiner: Sharon L. Turner

Art Unit: 1647

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.97 and §1.98

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

The references cited on the attached PTO/SB/08A and PTO/SB/08B forms are being called to the attention of the Examiner. In accordance with 37 CFR §1.98(d), copies of references 443-557 and 562-579 can be found in Application No. 09/322,289, filed May 28, 1999 (Attorney Docket No. 15270J-004740US). It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

Applicant also cites commonly owned copending applications directed to related subject matter:

09/201,430 filed 11/30/98 issued as U.S. 6,787,523 on 09/07/04; 09/497,553 filed 02/03/00:

PATENT

```
09/724,477 filed 11/28/00 issued as U.S. 6,787,143 on 09/07/04;
  09/723,927 filed 11/28/00 issued as U.S. 6,787,138 on 09/07/04;
 09/723,762 filed 11/28/00 issued as U.S. 6,787,144 on 09/07/04;
 09/724,102 filed 11/28/00 issued as U.S. 6,787,139 on 09/07/04;
 09/724,489 filed 11/28/00 issued as U.S. 6,787,140 on 09/07/04;
 10/816,022 filed 03/31/04 issued as U.S. 6,866,850 on 03/15/05;
 10/816,529 filed 03/31/04 issued as U.S. 6,818,218 on 11/16/04;
 10/815,391 filed 03/31/04 issued as U.S. 6,866,849 on 03/15/05;
 10/934,818 filed 09/02/04;
 10/934,609 filed 09/02/04 issue fee paid 01/24/05;
 10/933,559 filed 09/02/04 issue fee paid 01/24/05;
 10/934,819 filed 09/02/04;
 10/815,353 filed 03/31/04 issued as U.S. 6,808,712 on 10/26/04;
 10/816,380 filed 03/31/04 issue fee paid 01/24/05;
 10/815,404 filed 03/31/04 issue fee paid 11/12/04;
09/322,289 filed 05/28/99;
09/723,713 filed 11/27/00:
09/723,760 filed 11/27/00;
09/724,319 filed 11/27/00;
09/723,384 filed 11/27/00 issued as U.S. 6,710,226 on 03/23/04;
09/724,495 filed 11/27/00;
10/788,666 filed 02/27/04;
10/429,216 filed 05/30/03;
10/828,548 filed 04/19/04;
10/923,471 filed 08/20/04;
10/923,474 filed 08/20/04:
10/928,926 filed 08/27/04:
10/923,605 filed 08/20/04;
10/923,267 filed 08/20/04;
10/923,469 filed 08/20/04;
```

PATENT

```
09/580,015 filed 05/26/00;
  09/724,940 filed 11/28/00 issue fee paid 11/12/04;
  09/724,961 filed 11/28/00 issued as U.S. 6,743,427 on 06/01/04;
  09/580,018 filed 05/26/00 issued as U.S. 6,761,888 on 07/13/04;
  09/724,552 filed 11/28/00 issued as U.S. 6,750,324 on 06/15/04;
  09/723,544 filed 11/28/00;
  09/724,273 filed 11/28/00;
  09/724,551 filed 11/28/00 issued as U.S. 6,787,637 on 09/07/04;
  09/724,288 filed 11/28/00;
  10/777,792 filed 02/11/04;
  10/890,024 filed 04/12/04;
  10/889,999 filed 04/12/04;
 10/890,000 filed 07/12/04;
 10/890,070 filed 07/12/04;
 10/890,071 filed 07/12/04;
 09/580,019 filed 05/26/00;
 09/723,765 filed 11/28/00;
 09/724,291 filed 11/28/00:
 10/822,968 filed 04/12/04;
09/724,929 filed 11/28/00;
09/724,567 filed 11/28/00 issued as U.S. 6,890,535 on 05/10/05;
09/724,575 filed 11/28/00;
09/724,953 filed 11/28/00 issued as U.S. 6,875,434 on 04/05/05;
09/724,570 filed 11/28/00 issue fee paid 02/10/05;
09/585,656 filed 06/01/00;
09/723,766 filed 11/27/00;
09/723,725 filed 11/27/00;
09/579,690 filed 05/26/00;
09/979,701 filed 03/13/01 (U.S. Nat'l Stage of PCT/US00/14810 filed 05/26/00);
```

PATENT

09/979,952 filed 04/09/02 (U.S. Nat'l Stage of PCT/US00/15239 filed 06/01/00); issue fee paid 01/28/05; and,

09/980,568 filed 03/12/02 (U.S. Nat'l Stage of PCT/US00/15302 filed 06/01/00).

Applicant also cites the following copending applications directed to related subject matter but subject to different assignment:

10/010,942 filed 12/06/01; 10/789,273 filed 02/27/04; 10/232,030 filed 08/30/02; 10/010,942 filed 12/06/01; 10/388,389 filed 03/12/03; 10/703,713 filed 11/07/03; 10/704,070 filed 11/07/03; 10/388,214 filed 03/12/03: 10/858,855 filed 06/01/04; 10/771,174 filed 02/04/04. 60/622,525 filed 10/26/04; 60/636,684 filed 12/15/04; 60/636,842 filed 12/15/04; 60/637,253 filed 12/16/04; 60/636,810 filed 12/15/04; 60/637,138 filed 12/16/04; 60/636,776 filed 12/15/04; 60/636,687 filed 12/15/04.

Applicant further cites the following commonly owned abandoned applications directed to related subject matter:

60/067,740 filed 12/02/97; 60/080,970 filed 04/07/98; 60/067,219 filed 12/03/97; 60/079,697 filed 03/27/98;

PATENT

09/204,838 filed 12/03/98; 09/724,921 filed 11/28/00; 09/724,929 filed 11/28/00; 60/137,010 filed 06/01/99; 60/251,892 filed 12/06/00; 60/137,047 filed 06/01/99; 60/136,655 filed 05/28/99; and 09/723,544 filed 11/28/00.

Applicant also cites the following abandoned application directed to related subject matter but subject to different assignment:

60/251,892 filed 12/06/00; 60/474,654 filed 05/30/03; 60/530,481 filed 12/17/03; 60/444,150 filed 02/01/03; and, 60/363,751 filed 03/12/02.

Applicant points out that the following applications are now commonly assigned but were previously subject to different assignment than the present application:

60/067,219 filed 12/03/97; 60/079,697 filed 03/27/98; 09/204,838 filed 12/03/98; 09/724,921 filed 11/28/00; and, 09/724,929 filed 11/28/00.

Applicant understands the Examiner can access papers from the prosecution of the cited cases electronically via PALM. However, if the Examiner has difficulty obtaining papers from that source he or she is invited to call the undersigned who will be happy to supply them.

As provided for by 37 CFR 1.97(g) and (h), no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant

Page 6

PATENT

information, and no inference should be made that the information and references cited are, or are considered to be material to patentability because they are in this statement. No inference should be made that the information and references cited are prior art merely because they are in this statement.

This IDS is being filed before the mailing date of the final Office Action or Notice of Allowance. Please charge the IDS fee of \$180 to Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

Rosemarie L. Celli Reg. No. 42,397

TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, Eighth Floor San Francisco, California 94111-3834

Tel: 650-326-2400 Fax: 650-326-2422

RLC:crf 60497941 v1

PTO/SB/08A (08-03)

Substitute for form 1449A/PTO				Complete if Known		
INICO	INFORMATION DISCUSOR			Application Number	09/724,288	
INFORMATION DISCLOSURE				Filing Date	November 28, 2000	
SIA	STATEMENT BY APPLICANT			First Named Inventor	Schenk, Dale B.	
				Art Unit	1647	
(use as many sheets as necessary)		Examiner Name	Sharon L. Turner			
Sheet	1	of	8	Attorney Docket Number	15270J-004765US	

			U.S. PATENT DO	OCOMEN 15+	
Examiner Iniliala*	Cite No. ¹	Number Kind Code ² (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Clied Document	Pages, Columns. Lines, Where Relevant Passages or Relevant Figures Appear
	578	6,875,434	04-05-2005	Schenk	- prescripted
	577	6,866.849	03-15-2005	Schenk	
	575	6,866,850	03-15-2005	Schenk	-
	576	6.818,218	11-16-2004	Schenk	
	563	6,787,637	09-07-2004	Schenk et al.	
	572	6,761,888	07-13-2004	Schenk	
	562	6,750.324	06-15-2004	Schenk et al.	
	573	6,743,427	06-01-2004	Schenk	
	444	2004/0043418 A1	03-04-2004	Holtzman et al.	
	544	2003/0147882 A1	08-07-2003	Solomon et al.	
	453	2002/0058267 A1	05-16-2002	Ozenberger et al.	
	511	6,331,440	12-18-2001	Nordstedt, et al.	
	516	6,261,569	07-17-2001	Comis et al.	
	452	6.218,506 B1	04-17-2001	Krafft et al.	
	510	6,022,859	02-08-2000	Klessling, et al.	
	512	5,891,991	04-06-1999	Wasco et al.	
	445	5,854.215	12-29-1998	Findels et al.	
	446	5,817,626	10-06-1998	Findeis et al.	
	451	5,766,846	06-16-1998	Schlossmacher et al.	
	515	5,652,334	07-29-1997	Roberts	
-	574	5.576,184	11-19-1996	Better et al.	 _
	513 514	5,514,548	05-07-1996	Krebber et al.	
		5,470,951	11-28-1995	Roberts	
 -	543	5,278,049	01-11-1994	Baker et al.	
	548	5.096,706	03-17-1992	Flint	
- +	570	4,912,206	03-27-1990	Goldgaber et al.	
					
	-				
-	-				
	 				
	\neg $+$				
		-			
					
	i				

Examiner Signature	Date Considered	
	CONDICION BY	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with noxt communication to applicant. Applicant's unique citation designation number (optional). Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emparor must precede the serial number of the patent document. Nind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to 60497941 v1

PTO/SB/08A (08-03)

Substitute for form 1449A/PTO				Complete If Known		
MECONIATION DIOC.				Application Number	09/724,288	
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Filing Date	November 28, 2000	-
STAT				First Named Inventor	Schenk, Dale B.	
				Art Unit	1647	_
	(use as many	sheets as	necessary)	Examiner Name	Sharon L. Turner	
Sheet	2	of	8	Attorney Docket Number	15270J-004765US	

Examiner	Cite	Foreign Patent Document					Pages, Columns, Lines.	7
Initials*	No.1	Country Code ³		nd Code ^s (# k/ 10=m)	Publication Date MM-DD-YYYY	Name of Patentes or Applicant of Cited Document	Where Relevant Pessages or Relevant Figures Appear	,
	533_	AU	199870091		07-01-1999			Ī
	523	EP_	752 888	B1	01-28-1998			1
	579	wo	04/031400	A2	04-15-2004			١į
_	<u>571</u>	wo	04/13172	A2, A3	02-12-2004			+
	443	wo	03/74081	A1	09-12-2003	***************************************		Ιŧ
	447	wo	03/51374	A2	08-26-2003	··		+
	458	WO	02/60481	A1	08-08-2002			[
	457	wo	02/46237	A1	06-13-2002			ַ
	557	wo	02/88307	A2	11-07-2002			ַבַ
	556	wo	02/88306	A2				<u> </u>
	456	wo	02/21141	A2	11-07-2002 03-14-2002			[
	450	WO	01/18169	A3	03-15-2001			<u> </u>
	455	wo	01/10900	A2	02-15-2001			
	529	wo	00/68263	A2	11-16-2000			
	519	WO	00/26238	A2	05-11-2000			ַבַ
	555	wo	00/23082	A1	04-27-2000			
	522	wo	00/20027	A2	04-13-2000			
	526	wo	99/06587	A2	02-11-1999			두
	454	wo	98/33815	A1	08-06-1998			u
	520	wo	98/22120	A1	05-28-1998			닏
	530	wo	98/08868	A1	03-05-1998			
	521	wo .	98/05350	A1	02-12-1998			
	525	WO	98/02462	A1	01-22-1998			
	527	wo	97/32017	A1	09-04-1997			-
	528	wo	97/08320	A1	03-06-1997	——————————————————————————————————————		-
	532	wo	96/37621	A2	11-28-1996	· - ·		┾
- 1	518	wo	95/23166	A1	08-31-1995			늗
	531	wo	95/08999	A1	04-06-1995		-	岩
	524	wo	95/05393	A2	02-23-1995			꿈
	517	WO	94/05311	A1	03-17-1994			ᅢ

Examine		
Signature	Date Considered	
<u> </u>	Considered	i

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). *
Kind Codes of U.S. Patent Documents at www.usoto.gov or MPEP 801.04. *Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as Indicated on the document under WIPO Standard ST. 18 if possible, *Applicant is to 60497941 v1

PTO/\$B/08B (08-03)

Substitute for	Substitute for form 1449B/PTO			Complete if Known		
INFORMATION DISCLOSURE				Application Number	09/724,288	
				Filing Date	November 28, 2000	
SIAIE	STATEMENT BY APPLICANT			First Named Inventor	Schenk, Dale B.	
				Art Unit	1647	
(us	e as many s	heets as	necessary)	Examiner Name	Sharon L. Tumer	
Sheet	3	of	8	Attorney Docket Number	15270J-004765US	

	, .	NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposlum, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	1
	448	ANDREW et al., Current Protocols in Immunology, 2.7.1-2.9.8, John Wiley & Sons, Inc. (1997).	
	484	ARENDIASH et al., "Behavioral assessment of Alzheimer's transgenic mice following long-term Aβ vaccination: Task specificity and correlations between Aβ deposition and spatial memory," <u>DNA and Cell Biology</u> , 20(11):737-744 (2001).	
	485	BACSKAI et al., "Imaging of amyloid-β deposits in brains of living mice permits direct observation of clearance of plaques with immunotherapy," Nature Medicine, 7(3):369-372 (2001).	
	504	BALBACH et al., "Amyloid fibril formation by Aβ ₁₀₂₂ , a seven-residue fragment of the Alzheimer's β-amyloid peptide, and structural characterization by solid state NMR," <u>Biochemistry</u> , 39:13748-13759 (2000).	
	550	BARD et al., "Epitope and isotype specificities of antibodies to B-amyloid peptide for protection against Alzheimer's disease-like neuropathology," PNAS, 100(4):2023-2028 (2003).	-
	540	BENKIRANE, et al, "Antigenicity and Immunogenicity of Modified Synthetic Peptides Containing D- Amino Acid Residues," J. Blol. Chem., 268(23):26279-26285 (1993).	
	461	BURDICK et al., "Assembly and aggregation properties of synthetic Alzheimer's A4/8 arrytoid peptide antigens," J. Biol. Chem., 267:543-555 (1992).	
	542	CHISHTI et al., "Early-onset Amyloid Deposition and Cognitive Deficits in Transgenic Mice Expressing a Double Mutant Form of Armyloid Precursor Protein 695," J. Biol.Chem., 276(24):21562-70 (2001).	
-	566	CHOTHIA et al., "Domain Association in Immunoglobulin Molecules," J. Mol. Biol., 186:651-663 (1985).	
	509	CIRRITO et al., "Amyloid \$\beta\$ and Alzhelmer disease therapeutics: the devil may be in the details," \(\frac{1}{2} \). Clin. Invest112:321-323 (2000).	
	462	CO et al., "Chimeric and humanized antihodies with specificity for the CD33 antigen," <u>J. Immunol</u> , 148:1149-1154 (1992).	-
	541	CRIBBS et al, "All-D-Erantiomers of Beta-Amyloid Exhibit Similar Biological Properties to All-L-Beta-Amyloids," J. Biol. Chem., 272:7431-7436 (1997).	
	469	DEMATTOS et al., "Peripheral anti-As antibody alters CNS and plasma clearance and decreases As burden in a mouse model of Alzheimer's disease," PNAS, 98(15):8850-8855 (2001).	
	493	DEMATTOS et al., "Plaque-associated disruption of CSF and plasma amyloid-\$\beta\$ (A\$) equilibrium in a mouse model of Alzheimer's disease," J. Neurochem., 81:228-236 (2002).	_
_	486	DICKEY et al., "Duration and specificity of humoral immune responses in mice vaccinated with the Alzheimer's disease-associated β-amyloid 1-42 peptide," DNA and Cell Biology, 20(11):723-729 (2001).	

Examiner	Data	
Signature	Date	
Olgrinitive	 Considered	

EXAMINER: Initial if reference considered, whether or not ditation is in conformance with MPEP 809. Draw line through ditation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique dilation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08B (08-03)

Substitute for form 1449B/PTO					Complete if Known
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			OSLIDE	Application Number	09/724,288
				Filing Date	November 28, 2000
			LICANI	First Named Inventor	Schenk, Dale B.
				Art Unit	1647
(use as many sheets as necessary)		Examiner Name	Sharon L. Turner		
Sheet	4	of	8	Attorney Docket Number	15270J-004765US

	,	NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), little of the article (when appropriate), little of the Item (book, magazine, journal, serial, symposium, catalog, etc.), data, page(s), volume-issue number(s), publisher, city and/or country where published.	7
	475	EL-AGNAF et al., "The influence of the central region containing residues 19-25 on the aggregation properties and secondary structure of Alzheimer's beta-amyloid peptide," <u>Eur. J. Blochem.</u> , 256(3):560-569 (1998).	T
,	501	ESLER et al., "Point substitution in the central hydrophobic cluster of a human β-amyloid congener disrupts peptide folding and abolishes plaque competence," <u>Biochemistry</u> , 35:13914-13921 (1996).	
	539	FINDEIS et at, "Modified peptide inhibitors of amyloid B-peptide polymerization," <u>Blochemistry</u> , 38:6791-6800 (1999).	1
	464	FLOOD et al., "An amyloid β-Protein fragment, A β [12-28J, equipotently impairs post-training memory processing when injected into different limbic system structures," <u>Brain Res</u> , 663(2):271-276 (1994).	
· <u></u>	538	FLOOD, et al. "Topography of a binding site for small amnestic peptides deduced from structure- activity studies: Relation to amnestic effect of amyloid B protein," PNAS, 91:380-384 (1994).	
_	565	FRAZER et al., "Immunoglobulins: Structure and Function," chapter 3, pages 37-74 from Fundamental Immunology, fourth edition, W.E. Paul, eds., Lippincott-Raven publishers, Philadelphia (1999).	
	463	GHISO et al., "Epitope map of two polyclonal antibodies that recognize amyloid lesions in patients with Alzheimer's disease," Biochem. J., 282 (Pt 2):517-522 (1992).	
	470	GiULIAN et al., "Specific domains of β-amyloid from Alzhelmer plaque elicit neuron killing in human microglia," <u>J Neurosci</u> , 16 (19):6021-6037 (1996).	
	503	GOREVIC et al., "Ten to fourteen residue peptides of Alzheimer's disease protein are sufficient for amyloid fibril formation and its characteristic X ray diffraction pattern" Biochem. and Biophy. Res. Commun., 147(2):854-862 (1987).	_
	487	HAASS et al., "Protofibrils, the unifying toxic molecule of neurodegenerative disorders?," Nature Neuroscience, 4(9):859-860 (2001).	
	476	HE et al., "Humanization and pharmacokinetics of a monoclonal antibody with specificity for both E- and P- selectin," <u>J. Immunol</u> , 160:1029-1035 (1998).	
	473	HILBICH et al., "Aggregation and secondary structure of synthetic amytold βΑ4 peptides of Alzheimer's disease," J. Mol. Biol., 218:149-163 (1991).	
	471	HILBICH et al., "Substitutions of hydrophobic amino acid reduce the amyloidogenicity of Alzheimer's disease pA4 peptides" J. Mol. Biol., 228:460-473 (1992).	
	534	HOCK et al "Antibodies against <i>B</i> -Amyloid Stow Cognitive Decline in Alzheimer's Disease," Neuron, 38:542-554 (2003).	
	546	IRIZARRY et al., "A\$ Deposition is Associated with Neuropil Changes, but not with Overt Neuronal Loss in the Human Amyloid Precursor Protein V717F (PDAPP) Transgenic Mouse," J. Neuroscience, 17(18):7053-7059 (1997).	

_			
Examiner		Date	
Signature	•		
		Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08B (08-03)

Substitute for form 1449B/PTQ					Complete if Known
INFORMATION DISCLOSURE			I OSLIDE	Application Number	09/724,288
				Filing Date	November 28, 2000
SIAIL	STATEMENT BY APPLICANT			First Named Inventor	Schenk, Dale B.
				Art Unit	1647
(us	(use as many sheets as necessary)		Examiner Name	Sharon L. Tumer	
Sheet	5	of	8	Attorney Docket Number	15270J-004765US

		NON PATENT LITERATURE DOCUMENTS	•
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book. magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(e), publisher, city and/or country where published.	7
	449	JOHNSON-WOOD et al., "Amyloid precursor protein processing and A84 deposition in a transgenic mouse model of Alzheimer disease," PNAS, 94:1550-1555 (1997).	
	547	KAYED et al., "Conformational Transitions of Islet Amyloid Polypeptide (IAPP) in Amyloid Formation In Vitro," J. Mol. Biol., 287:781-796 (1999).	-
	554	KETTLEBOROUGH et al., "Humanization of a mouse monoclonal antibody by CDR-grafting: the Importance of framework residues on loop conformation," Protein Engineering, 4(7):773-783 (1991).	
	488	KLEIN et al 'Targeting small Aβ ofigomers: the solution to an Atzhelmer's disease conundrum?.' Trends in Neurosciences, 24(4):219-224 (2001).	_
	494	KOTILINEK et al., "Reversible memory loss in a mouse transgenic model of Alzheimer's disease," J. Neurosci., 22(15):6331-6335 (2002).	
_	465	KOUDINOV et al., "The soluble form of Alzheimer's amyloid beta protein is complexed to high density lipoprotein 3 and very high density lipoprotein in normal human plasma," <u>Biochem. & Biophys. Res.</u> Comm. 205:1164-1171 (1994).	
	478	KUO et al., "High levels of circulating Abeta42 are sequestered by plasma proteins in Alzhelmer's disease," Biochem. Biophys. Res. Comm., 257(3):787-791 (1999).	_
_	477	LAMBERT et al., "Diffusible, nonfibrillar ligands derived from Aβ1-42 are potent central nervous system neurotoxins." PNAS, 95:6448-6453 (1998).	
	489	LAMBERT et al., "Vaccination with soluble A6 oligomers generates toxicity-neutralizing antibodies," J. Neurochem., 79:595-605 (2001).	
	490	LEE et al., "Aβ immunization: Moving Aβ peptide from brain to blood," PNAS, 98(16):8931-8932 (2001).	
	553	LEMERE et al., "Intranasal immunotherapy for the treatment of Alzheimer's disease: Escherionia colf. LT and LT(R192G) as mucosal adjuvants," Neurobiology of Aging, 23(6):991-1000 (2002).	
	551	LEVERONE et al., "A81-15 is less immunogenic than A81-40/42 for Intranasal Immunization of wild-type mice but may be effective for boosting," <u>Vaccine</u> , 21:2197-2206 (2003).	
	459	LEVITT, M., "Molecular dynamics of native protein," J. Mol. Biol., 168:595-620 (1983).	_
	481	LEVY et al "Immunization for Alzheimer's disease: A shot in the arm or a whiff?," American Neurological Assoc, 48:553-554 (2000).	_
	499	LUE et al., "Soluble β-amyloid Peptide Concentration as a Predictor of Synaptic Change in Alzheimer's Disease," Am. J. Pathol., 155:863-562 (1999).	

(c	 	
Examiner	Date	
Signature	Dans	
Continue	Considered	1
EVALUED	001101011111	<u> </u>

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to prace a check mark here if English language Translation is attached.

PTO/SB/03B (08-03)

Substitute fo	r form 1449B/F	то			Complete if Known
INFORMATION DISCLOSURE				Application Number	09/724,288
STATEMENT BY APPLICANT				Filing Date	November 28, 2000
			PLICANT	First Named Inventor	Schenk, Dale B.
				Art Unit	1647
(use as many sheets as necessary)		Examiner Name	Sharon L. Turner		
Sheet	6	of	8	Attorney Docket Number	15270J-004765US

	,	NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-Issue number(s), publisher, city and/or country where published.	1
	502	MAGGIO et al., "Brain Amyloid - A Physicochemical Perspective," Brain Pathology, 6:147-162 (1996).	
	545	MASLIAH et al., "Comparison of Neurodegenerative Pathology in Transgenic Mice Overexpressing V717F β-Amyloid Precursor Protein and Alzhelmer's Disease," J. Neuroscience, 16(18):5795-5811 (1996).	
	479	MCLEAN et al., "Soluble pool of Aβ amyloid as a determinant of severity of neurodegeneration in Alzheimer's disease." Amer. Neurological Assoc, 46:860-866 (1999).	
	482	NASLUND et al., "Correlation between elevated levels of amyloid β peptide in the brain and cognitive decline," J. Am. Med. Assoc., 283:1571 (2000).	
	568	NOVOTNY et al., "Structural invariants of antigen binding: Comparison of Immunoglobulin V _L -V _H and V _L -V _L domain dimmers," <u>PNAS</u> , 82:4592-4596 (1985).	
	564	PCT Search Report of 12/14/04 for application PCT/US04/02856	_
_	491	PODUSLO et al., "Permeability of proteins at the blood-brain barrier in the normal adult mouse and double transgenic mouse model of Alzheimer's disease," Neurobiol, Dis., 8(4):555-567 (2001).	_
_	460	OUEEN et al., "A humanized antibody that binds to the interleukin 2 receptor," PNAS, 86:10029-10033 (1989).	
	497	RAGUSI et al., "Redistribution of Impramine from Regions of the Brain Under the Influence of Circulating Specific Antibodies," J. Neurochem., 70(5):2099-2105 (1998).	
	466	SCHWARZMAN et al., "Transthyretin sequesters amyloid β protein and prevents amyloid formation," PNAS, 91:8368-8372 (1994).	
	536	SELA et al, "Different roles of D-amino acids in immune phenomena," <u>FASEB J</u> , 11(6):449-456 (1999)	
	552	SIGURDSSON et al., "Immunization with a Nontoxic/Nonfibrillar Amyloid-& Homologous Peptide Reduces Alzhelmer's Disease-Associated Pathology in Trasngenic Mice," Am. J. Pathology, 159(2):439-447 (2001).	
	505	SIMMONS, L., "Secondary structure of amyloid β peptide correlates with neurotoxic activity in vitro," Molecular Pharmacology, 45:373-379 (1994).	
	549	SOLOMON, 6 "Immunological approaches as therapy for Alzheimer's disease," Expert Opin, Biot. Ther., 2(8):907-917 (2002).	_
	508	SOTO et al., "The α-helical to β-strand transition in the amino-terminal fragment of the amyloid β-peptide modulates amyloid formation," J. Biol. Chem., 270(7):3053-3067 (1995).	_

_			
Examiner			
C1+	Da	ate /	
Signature	l c-		
		onsidered	

EXAMINER: Initial if reference considered, whether or not citation is to conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/03B (0E-03)

anneataté tô	r form 1449B/	-10		Complete if Known		
INFORMATION DISCLOSURE				Application Number	09/724,288	
STATEMENT BY APPLICANT				Filing Date	November 28, 2000	
			PLICANI	First Named Inventor	Schenk, Dale B.	
,				Art Unit	1647	
(use as many sheets as necessary)		Examiner Name	Sharon L. Turner			
Sheet	7	of	8	Attomey Docket Number	15270J-004765US	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	7
	496	STRBAK et al., "Passive Immunization and Hypothalamic Peptide Secretion", Neuroendocrinology, 58:210-217 (1993).	T
	498	SUO et al., "Soluble Alzhelmers β-amyloid constricts the cerebral vasculature in vivo" Neuroscience Letters. 257:77-80 (1998).	\dagger
	467	TABATON et al., "Soluble amyloid β-protein is a marker of Alzheimer amyloid in brain but not in cerebrospinal fluid," <u>Blochem. and Biophys. Res. Comm.</u> , 200(3):1598-1603 (1994).	†
•	472	TELLER et al., "Presence of soluble amyloid β-peptide precedes amyloid plaque formation in Down's syndrome" Nature Medicine, 2(1):93-95 (1995).	<u> </u>
	500	TJERNBERG et al., "A molecular model for Alzheimer amyloid β-peptide fibril formation," J. Biol. Chem., 274(18):12619-12626 (1999).	
	537	TJERNBERG, et al, "Controlling amyloid beta-peptide fibril formation with protease-stable ligands," <u>J.</u> <u>Biol Chem.</u> . 272(19):12601-12605 (1997).	-
	492	TOWN et al., "Characterization of murine immunoglobulin G antibodies against human amyloid-β-ω2" Neurosci. Lett. 307:101-104 (2001).	
	535	VAN REGENMORTEL et al, "D-peptides as immunogens and diagnostic reagents," <u>Curr. Opin.</u> <u>Biotechnol.</u> , 9(4):377-382 (1998).	
	569	VERSHIGORA A. E. OBSHCHAYA IMMYNOLOGIYA, pages 35, 229-231 and 152-153.	
	480	WANG et al., "The levels of soluble versus insoluble brain Aß distinguish Alzheimer's disease from normal and pathologic aging," Experimental Neurology, 158:328-337 (1999).	
	495	WANG et al., "Soluble oligomers of B armyloid (1-42) Inhibit long-term potentiation but not long-term depression in rate dentate gyrus," Brain Research, 924:133-140 (2002).	
	474	WINTER et al., "Humanized antibodies" Immunology Today, 14(6):243-246 (1996).	_
	468	WISNIEWSKI et al., "Alzhelmer's disease and soluble A beta," Neurobiol. Aging, 15(2):143-52 (1984).	
	506	WCOD et al., "Profines and amyloidogenicity in fragments of the Alzheirner's peptide β/A4" <u>Biochemistry</u> , 34:724-730 (1995).	
	567	WU et al., "An Analysis of the Sequences of the Variable Regions of Bence Jones Proteins and Myeloma Light Chains and their Implications for Antibody Complementarity", "J. Exp. Med., 132:211-250 (1970).	
	507	XU et al., "Increased incidence of anti-β-amyloid autoantibodies secreted by Epstein-Barr virus transformed B cell lines from patients with Alzhalmer's disease," Mechanisms of Ageing and Development, 94:213-222 (1997).	

Examiner	Date	
\$ignature		
	Considered	i i

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to pisce a check mark here if English tanguage Translation is attached.

PTO/SB/08B (08-03)

Substitute for form 1449B/PTO				Complete If Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	09/724,288	
				Filing Date	November 28, 2000	
SIAIL	= IAI TE IA I	DI AM	LICANI	First Named Inventor	Schenk, Dale B.	
(use as many sheets as necessary)				Art Unit	1647	
				Examiner Name	Sharon L. Tumer	
Sheet	8	of	8	Altomey Docket Number	15270J-004765US	

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, senal, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	т:			
	483	ZLOKOVIC et al., "Clearance of amyloid β-peptide from brain: transport or metabolism?," Nature Medicine, 6(7):718-719 (2000).	T			
	580	ZLOKOVIC et al "Glycoprotein 330/megalin: probable role in receptor-mediated transport of apolipoprotein J alone and in a complex with Alzheimer disease amyloid beta at the blood-brain and blood-cerebrospinal fluid barriers," PNAS, 93(9):4229-4334 (1996) abstract only.	 			

Examiner	Date	
Signature		
	Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.